

Bridge Inspection Report

Derry 056/084

Date of Inspection: 10/01/2007

Date Report Sent: 12/5/2007

☒ Picture taken during inspection

Owner: Municipality

FORDWAY ROAD

Over

BEAVER BROOK

Recommended Postings:

Weight: E2

☒ Weight Sign OK

Width: Not Required

☒ Width Sign OK

Primary Height Sign Recommendation: None

Optional Centerline Height Sign Rec: None

Clearances: Over:
(Feet) Under: 0.00
Route:☒ Height Signs OK**Condition:** Not on the Redlist

Deck: N N/A (NBI)

Superstructure: N N/A (NBI)

Substructure: N N/A (NBI)

Culvert: 5 Fair

Structure Type and Materials:

Number of Spans Main Unit: 2

Number of Approach Spans: 0

Main Span Material and Design Type

Aluminum or Iron Culvert

Sufficiency Rating: 63%**NBI Status:** Structurally Deficient

Bridge Rail: Meets Standards

Rail Transition: Meets Standards

Bridge Approach Rail: Meets Standards

Approach Rail Ends: Substandard

NH Bridge Type: Metal Pipe

Deck Type: No Deck (N/A - NBI)

Wearing Surface: No Deck (N/A - NBI)

Membrane: No Deck (N/A - NBI)

Deck Protection: No Deck (N/A - NBI)

Pavement thickness: 3.0 in

Curb Reveal: Not Applicable

Plan Location: Unknown

Bridge Dimensions:

Length Maximum Span: 17.0 ft

Left Curb/Sidewalk Width: 0.0 ft

Width Curb to Curb: 0.0 ft

Approach Roadway Width (W/ Shoulders): 26.0 ft

Total Bridge Length: 38.0 ft

Right Curb/Sidewalk Width: 0.0 ft

Total Bridge Width: 0.0 ft

Median: No median

Bridge Skew: 0.00 °

Bridge Service:

Type of Service on Bridge: Highway

Type of Service under: Waterway

Lanes on bridge: 2

Lanes Under: NA

AADT: 5900

Percent Trucks: 4%

Year of AADT: 2005

Future AADT: 5476

Year of Future AADT: 2025

Year Built: 1971

Year Rebuilt: Not Rebuilt

Detour Length: 1.0 mi

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Federal or State Definition Bridge: Fed. Definition Bridge
 Roadway Functional Class: Urban Local
 New Hampshire Highway System and Class: Compact Highway
 Eligibility for the National Register of Historic Places: Not Eligible
 Traffic Direction: Two-way traffic

National Bridge Inventory (NBI) Appraisal Ratings:

Deck Geometry: Not Applicable (NBI)
 Underclearances: Not Applicable (NBI)
 Approach Alignment: Above Minimum Criteria
 Structural Evaluation: Intolerable, Replacement
 Channel/Channel Protection: Bank Slumping
 Waterway Adequacy: Equal Desirable Criteria
 Bridge Scour Critical Status: Stable for extreme flood
 Riprap Condition: Fair Condition
 Debris Present: Debris Present
 Date of Underwater Inspection: Not Applicable

AASHTO CoRe Element Condition State Data:

No.	Description	Env.	Material Notes and Condition Notes
215	Reinforced Concrete Abutment	Moderate	CONCRETE AT EAST HEADWALL IS CRACKED, SPALLED AND SETTLED. EAST END OF NORTH BARREL SETTLED FOUR TO FIVE INCHES FROM HEADWALL. NEW CONCRETE INVERT AT END OF NORTH BARREL. CONCRETE INVERT INSTALLED AT SOUTH BARREL FULL LENGTH WITH INVERT.
217	Other Material Abutment	Moderate	STONE MASONRY AT WEST IS VOIDED AND SETTLED.
240	Culvert (includes Steel, Aluminum and Galvanized)	Moderate	5' OF COVER. 9" X 2.5" X .150" ALUMINUM PLATE. BOTH PIPES DISTORTED WITH SAGS IN ROOF. NEW CONCRETE INVERT AT SOUTH PIPE. CORROSION HOLES UP TO 1" DIAMETER. SEVERAL DENTS AND TEARS. NORTH BARREL SETTLED AND KINKED AT NORTH SIDE. NEW CONCRETE AT NORTH EAST INVERT.
360	Settlement Condition Warning Flag	Moderate	Element record added 2006-12-21.

No.	Description	Env.	Quantity	Units	State 1	State 2	State 3	State 4	State 5
215	Reinforced Concrete Abutment	Moderate	20	(LF)	0 %	0 %	100 %	0 %	
217	Other Material Abutment	Moderate	20	(LF)	0 %	0 %	100 %	0 %	
240	Culvert (includes Steel, Aluminum and Galvanized)	Moderate	89	(LF)	0 %	0 %	100 %	0 %	
360	Settlement Condition Warning Flag	Moderate	1	(EA)	100 %	0 %	0 %		

Bridge Inspection Report**Derry 056/084****Bridge Notes:**

REMOVED FROM RL 10/1/07

Approach and Roadway Notes: ASPHALT CRACKED. W-BEAM RAIL- DAMAGE AT NORTHEAST AND NORTHWEST.
ASPHALT ERODING INTO TRAVEL WAY, SOUTHEAST.

Inspection History:

Inspection Date: 10/01/2007	Inspector: DPC	Deck: N N/A (NBI) Super: N N/A (NBI) Substr: N N/A (NBI) Culvert: 5 Fair
Notes: <i>DPC - inspection comments -</i> CULVERT: MP'S- BOTH PIPES DISTORTED WITH SAGS IN ROOF. INVERT OF BOTH PIPES SETTLED AT DOWNSTREAM. CORROSION HOLES UP TO ONE INCH DIAMETER. SEVERAL DENTS. DAMAGED AREAS AT BOTH ENDS OF SOUTH BARREL. EAST END OF NORTH BARREL SETTLED FOUR TO FIVE INCHES FROM HEADWALL. NORTH SIDE TOP OF BARREL SETTLED. CONCRETE INVERT INSTALLED IN SOUTH BARREL.		
PIC(s): C359 - 2,3.		
Inspection Date: 12/21/2006	Inspector: RLM	Deck: N N/A (NBI) Super: N N/A (NBI) Substr: N N/A (NBI) Culvert: 4 Poor
Notes: <i>RLM inspection comments -</i> CULVERT: MP'S- BOTH PIPES DISTORTED WITH SAGS IN ROOF. INVERT OF BOTH PIPES SETTLED AT DOWNSTREAM. CORROSION HOLES UP TO ONE INCH DIAMETER. SEVERAL DENTS. DAMAGED AREAS AT BOTH ENDS OF SOUTH BARREL. EAST END OF NORTH BARREL SETTLED FOUR TO FIVE INCHES FROM HEADWALL. NORTH SIDE TOP OF BARREL SETTLED. CONCRETE INVERT INSTALLED IN SOUTH BARREL.		
PIC: C332-28-32		
Inspection Date: 08/15/2005	Inspector: RLM	Deck: N N/A (NBI) Super: N N/A (NBI) Substr: N N/A (NBI) Culvert: 4 Poor
Notes: <i>RLM inspection comments -</i> CULVERT: MP'S- BOTH PIPES DISTORTED WITH SAGS IN ROOF. INVERT OF SOUTH PIPE SETTLED AT DOWNSTREAM. CORROSION HOLES UP TO ONE INCH DIAMETER. SEVERAL DENTS AND TEARS. BOTH UNDERMINED. NORTH BARREL SETTLED AND KINKED AT NORTH SIDE. SOUTH BARREL, SOUTH INVERT PLATES HEAVED UP 4 TO 5 INCHES FOR 10 FOOT LENGTH; PLATES PULLED THROUGH BOLTS.		
PIC(S): C298- 12- 18.		
Inspection Date: 08/11/2003	Inspector: RLM	Deck: N N/A (NBI) Super: N N/A (NBI) Substr: N N/A (NBI) Culvert: 5 Fair
Notes: <i>Sufficiency Rating Calculation Accepted by DEP at 7/20/2004 14:25:48</i> <i>RLM inspection comments -</i> CULVERT: MP'S- BOTH PIPES DISTORTED WITH SAGS IN ROOF. INVERT OF SOUTH PIPE SETTLED AT DOWNSTREAM. CORROSION HOLES UP TO ONE INCH DIAMETER. SEVERAL DENTS AND TEARS. BOTH UNDERMINED. NORTH BARREL SETTLED AND KINKED AT NORTH SIDE.		
PICTURES: C190-04 THRU 07.		

Bridge Inspection Report**Derry 056/084****Inspection History:**

Inspection Date: 01/23/2001	Inspector: RLM	Deck: N N/A (NBI)
Notes: Sufficiency Rating Calculation Accepted by DEP at 07-20-2001 15:59:31 RLM inspection comments - CULVERT: MP's- Both pipes distorted with sags in roofs, invert of south pipe settled downstream. Several corrosion holes exist and vary in size from 1/4 inch to 1 inch +. Several dents and tears. Both undermined. NORTH BARREL SETTLED AND KINKED AT NORTH SIDE. Headwalls/Wingwalls- Concrete at East cracked, spalled, settled. Stone Masonry at West voided, settled. Asphalt aprons upstream undermined.		Super: N N/A (NBI) Substr: N N/A (NBI) Culvert: 5 Fair
Inspection Date: 01/20/1999	Inspector: FNM	Deck: N N/A (NBI)
Notes: Sufficiency Rating Calculation Accepted by DEP at 03-09-1999 15:19:27 FNM inspection comments - MP's- Both pipes distorted with sags in roofs, invert of south pipe settled downstream. Several corrosion holes exist and vary in size from 1/4 inch to 1 inch +. Several dents and tears. Both undermined. Headwalls/Wingwalls- Concrete at East cracked, spalled, settled. Stone Masonry at West voided, settled. Asphalt aprons upstream undermined.		Super: N N/A (NBI) Substr: N N/A (NBI) Culvert: 5 Fair
Inspection Date: 02/01/1997	Inspector: Not Available	Deck: N N/A (NBI)
Notes: Sufficiency Rating Calculation Accepted by DEP at 12-23-98 07:59:01		Super: N N/A (NBI) Substr: N N/A (NBI) Culvert: 5 Fair
Inspection Date: 08/01/1995	Inspector: Not Available	Deck: N N/A (NBI)
Notes:		Super: N N/A (NBI) Substr: N N/A (NBI) Culvert: 5 Fair
Inspection Date: 01/01/1994	Inspector: Not Available	Deck: N N/A (NBI)
Notes:		Super: N N/A (NBI) Substr: N N/A (NBI) Culvert: 5 Fair
Inspection Date: 08/01/1991	Inspector: Not Available	Deck: N N/A (NBI)
Notes:		Super: N N/A (NBI) Substr: N N/A (NBI) Culvert: N N/A (NBI)

Copy Distribution:

<input checked="" type="checkbox"/> (2) Bureau of Municipal Hghways	<input type="checkbox"/> Border State	<input type="checkbox"/> Dept. of Res. and Econ. Dev.
<input type="checkbox"/> (3) Bureau of Municipal Hghways	<input type="checkbox"/> Bureau of Rail and Transit	<input type="checkbox"/> Dept. of Environmental Services
<input type="checkbox"/> Bureau of Turnpikes	<input type="checkbox"/> Army Corps Of Engineers	<input type="checkbox"/> USDA Forest Service
	<input type="checkbox"/> Railroad	<input type="checkbox"/> Bureau of Traffic

Bridge Inspection Report

Derry 056/088

Date of Inspection: 10/01/2007

Date Report Sent: 10/18/2007

☐ Picture taken during inspection

Owner: Municipality

FLORENCE STREET

Over

SHIELDS BROOK

☒ **Critical Deficiency Status** Heavy section loss on steel stringers has reduced the safe Live Load capacity of this structure. See reduced recommended load posting below.

Recommended Postings:

Weight: 'Weight Limit 10 Tons'

CURRENTLY POSTED "WEIGHT LIMIT 15 TONS or 70% OF LEGAL LOAD".

New Signage Required for Reduced Posting.

Width: Not Required

☐ Weight Sign OK☒ Width Sign OK

Primary Height Sign Recommendation: None

Optional Centerline Height Sign Rec: None

Clearances: Over:
(Feet) Under: 0.00
Route:☒ Height Signs OK**Condition:** Municipal Redlist

Deck: 5 Fair

Superstructure: 4 Poor

Substructure: 6 Satisfactory

Culvert: N N/A (NBI)

Structure Type and Materials:

Number of Spans Main Unit: 1

Number of Approach Spans: 0

Main Span Material and Design Type

Steel Multiple Beam

Sufficiency Rating: 20.8%**NBI Status:** Not Applicable

Bridge Rail: Substandard

Rail Transition: Substandard

Bridge Approach Rail: Substandard

Approach Rail Ends: Substandard

NH Bridge Type: Jack Arch

Deck Type: Concrete, Cast in Place

Wearing Surface: Bituminous

Membrane: None

Deck Protection: None

Pavement thickness: 3.0 in

Curb Reveal: Not Applicable

Plan Location: Unknown

Bridge Dimensions:

Length Maximum Span: 16.0 ft

Left Curb/Sidewalk Width: 4.0 ft

Width Curb to Curb: 19.3 ft

Approach Roadway Width (W/ Shoulders): 18.0 ft

Total Bridge Length: 19.0 ft

Right Curb/Sidewalk Width: 4.0 ft

Total Bridge Width: 27.9 ft

Median: No median

Bridge Skew: 30.00 °

Bridge Service:

Type of Service on Bridge: Highway and Pedestrian

Type of Service under: Waterway

Lanes on bridge: 2

Lanes Under:

Year Built: 1935

Year Rebuilt: Not Rebuilt

Detour Length: 1.0 mi

Bridge Inspection Report

Derry 056/088

NA

AADT: 200 Percent Trucks: 4% Year of AADT: 2003
 Future AADT: 296 Year of Future AADT: 2025

Federal or State Definition Bridge: NH Definition Bridge
 Roadway Functional Class: Urban Local
 New Hampshire Highway System and Class: Compact Highway
 Eligibility for the National Register of Historic Places: Not Eligible
 Traffic Direction: Two-way traffic

National Bridge Inventory (NBI) Appraisal Ratings:

Deck Geometry: Intolerable, Correctable
 Underclearances: Not Applicable (NBI)
 Approach Alignment: Equal Desirable Criteria
 Structural Evaluation: Intolerable, Replacement
 Channel/Channel Protection: Bank Slumping
 Waterway Adequacy: Equal Minimum Criteria
 Bridge Scour Critical Status: Stable for extreme flood
 Riprap Condition: Fair Condition
 Debris Present: Debris Present
 Date of Underwater Inspection: Not Applicable

AASHTO CoRe Element Condition State Data:

No.	Description	Env.	Material Notes and Condition Notes
13	Concrete Deck - Unprotected, with Asphalt Pavement	Moderate <i>ASPHALT- CRACKED.</i>	
107	Painted Steel Beam or Girder (Open Web)	Moderate <i>MODERATE RUST AND SECTION LOSS. STRINGER #2,4,8 FLANGE HOLED AT EAST. THIN AREAS. STRINGER #1,4,8 FLANGE HOLED AT WEST.</i>	
215	Reinforced Concrete Abutment	Moderate <i>MEDIUM CRACKS AT ABUTMENTS. MINOR SPALLS AT WINGS.</i>	
334	Coated Metal Bridge Railing	Severe ** Steel Channel Rail ** <i>CHANNEL ON STEEL POST DAMAGED. POOR CONDITION.</i>	
359	Soffit of Conc Deck or Slab Condition Warning Flag	Moderate <i>FORMS HEAVILY RUSTED. SPALLS AT EXPOSED AREAS. HEAVY LEAKING. CURBS CRACKED AND SPALLED.</i>	
363	Section Loss Condition Warning Flag	Moderate <i>Element record added 2007-10-01.</i>	

Bridge Inspection Report**Derry 056/088**

No.	Description	Env.	Quantity	Units	State 1	State 2	State 3	State 4	State 5
13	Concrete Deck - Unprotected, with Asph	Moderate	527	(SF)	0 %	100 %	0 %	0 %	0 %
107	Painted Steel Beam or Girder (Open We	Moderate	190	(LF)	0 %	0 %	0 %	50 %	50 %
215	Reinforced Concrete Abutment	Moderate	75	(LF)	0 %	100 %	0 %	0 %	
334	Coated Metal Bridge Railing	Severe	39	(LF)	0 %	0 %	100 %	0 %	0 %
359	Soffit of Conc Deck or Slab Condition W	Moderate	1	(EA)	0 %	0 %	100 %	0 %	0 %
363	Section Loss Condition Warning Flag	Moderate	1	(EA)	100 %	0 %	0 %	0 %	

Bridge Notes:**Approach and Roadway Notes:** ASPHALT - CRACKED AND SETTLED. CHANNEL RAIL DAMAGED.**Inspection History:**

Inspection Date: 10/01/2007	Inspector: DPC	Deck: 5 Fair Super: 4 Poor Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes: DPC inspection comments - DECK: ELEMENTS IN FAIR CONDITION. FORMS IN PLACE. SUPERSTRUCTURE: ELEMENTS IN POOR CONDITION. STRINGERS HOLED AT LOWER FLANGES. SUBSTRUCTURE: ELEMENTS IN SATISFACTORY CONDITION.		
Inspection Date: 12/21/2006	Inspector: DPC	Deck: 5 Fair Super: 4 Poor Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes: DPC inspection comments - DECK: ELEMENTS IN FAIR CONDITION. FORMS IN PLACE. SUPERSTRUCTURE: ELEMENTS IN POOR CONDITION. STRINGERS HOLED AT LOWER FLANGES. SUBSTRUCTURE: ELEMENTS IN SATISFACTORY CONDITION.		
Inspection Date: 08/15/2005	Inspector: RLM	Deck: 5 Fair Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes: RLM inspection comments - DECK: ELEMENTS IN FAIR CONDITION. FORMS IN PLACE. SUPERSTRUCTURE: ELEMENTS IN FAIR CONDITION. SUBSTRUCTURE: ELEMENTS IN SATISFACTORY CONDITION.		
Inspection Date: 10/05/2004	Inspector: DPC	Deck: 5 Fair Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes: Sufficiency Rating Calculation Accepted by DEP at 06/07/2005 10:36:02 DPC inspection comments - DECK: ELEMENTS IN FAIR CONDITION. FORMS IN PLACE. SUPERSTRUCTURE: ELEMENTS IN FAIR CONDITION. SUBSTRUCTURE: ELEMENTS IN SATISFACTORY CONDITION.		
Inspection Date: 08/11/2003	Inspector: DPC	Deck: 5 Fair Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes: Sufficiency Rating Calculation Accepted by DEP at 7/20/2004 14:25:48 DPC inspection comments - DECK: ELEMENTS IN FAIR CONDITION. FORMS IN PLACE. SUPERSTRUCTURE: ELEMENTS IN FAIR CONDITION. SUBSTRUCTURE: ELEMENTS IN SATISFACTORY CONDITION.		

Bridge Inspection Report**Derry 056/088****Inspection History:**

Inspection Date: 01/07/2002	Inspector: RLM	Deck: 5 Fair Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes: Sufficiency Rating Calculation Accepted by DEP at 06-06-2002 09:24:55 RLM inspection comments - DECK: ELEMENTS IN FAIR CONDITION. SUPERSTRUCTURE: ELEMENTS IN FAIR CONDITION. SUBSTRUCTURE: ELEMENTS IN SATISFACTORY CONDITION.		
Inspection Date: 01/29/2001	Inspector: DPC	Deck: 5 Fair Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes: Sufficiency Rating Calculation Accepted by DEP at 07-20-2001 15:59:31 DPC inspection comments - DECK- ELEMENTS IN FAIR CONDITION. SUPERSTRUCTURE- ELEMENTS IN FAIR CONDITION. SUBSTRUCTURE- ELEMENTS IN SATISFACTORY CONDITION.		
Inspection Date: 02/09/2000	Inspector: DPC	Deck: 5 Fair Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes: Sufficiency Rating Calculation Accepted by DEP at 10-03-2000 13:08:30 DPC inspection comments - Channel rail damaged. Deck: Asphalt - cracked, settled. Concrete - moderate leaking, minor spalls, galvanized forms heavily rusted and holed. Pipe dr		
Inspection Date: 01/15/1999	Inspector: FNM	Deck: 6 Satisfactory Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes: Sufficiency Rating Calculation Accepted by DEP at 03-09-1999 15:19:27 FNM inspection comments - Channel rail damaged. Deck: Asphalt- cracked, settled. Concrete- moderate leaking, minor spalls, galvanized forms heavily rusted and holed. Pipe drain		
Inspection Date: 01/01/1998	Inspector: Not Available	Deck: 6 Satisfactory Super: 5 Fair Substr: 7 Good Culvert: N N/A (NBI)
Notes: Sufficiency Rating Calculation Accepted by DEP at 12-23-98 07:59:01		
Inspection Date: 01/01/1997	Inspector: Not Available	Deck: 6 Satisfactory Super: 6 Satisfactory Substr: 7 Good Culvert: N N/A (NBI)
Notes:		
Inspection Date: 01/01/1996	Inspector: Not Available	Deck: 7 Good Super: 6 Satisfactory Substr: 7 Good Culvert: N N/A (NBI)
Notes:		
Inspection Date: 01/01/1994	Inspector: Not Available	Deck: 7 Good Super: 7 Good Substr: 7 Good Culvert: N N/A (NBI)
Notes:		

Bridge Inspection Report

Derry 056/088

Inspection History:

Inspection Date: 08/01/1991

Inspector: Not Available

Deck: 7 Good

Super: 7 Good

Substr: 7 Good

Culvert: N N/A (NBI)

Notes:

Copy Distribution:

- ☒ (2) Bureau of Municipal Hghways
- ☐ (3) Bureau of Municipal Hghways
- ☐ Bureau of Turnpikes

- ☐ Border State
- ☐ Bureau of Rail and Transit
- ☐ Army Corps Of Engineers
- ☐ Railroad

- ☐ Dept. of Res. and Econ. Dev.
- ☐ Dept. of Environmental Services
- ☐ USDA Forest Service
- ☐ Bureau of Traffic

Bridge Inspection Report

Derry 066/092

Date of Inspection: 10/02/2007

Date Report Sent: 12/5/2007

☒ Picture taken during inspection

Owner: Municipality

SOUTH AVENUE

Over

SHIELDS BROOK

Recommended Postings:

Weight: E2

☒ Weight Sign OK

Width: Not Required

☒ Width Sign OK

Primary Height Sign Recommendation: None

Optional Centerline Height Sign Rec: None

Clearances: Over:
(Feet) Under: 0.00
Route:☒ Height Signs OK**Condition:** Not on the Redlist

Deck: 5 Fair

Superstructure: 5 Fair

Substructure: 6 Satisfactory

Culvert: N N/A (NBI)

Structure Type and Materials:

Number of Spans Main Unit: 1

Number of Approach Spans: 0

Main Span Material and Design Type

Steel Multiple Beam

Sufficiency Rating: 58.3%**NBI Status:** Not Applicable

Bridge Rail: Substandard

Rail Transition: Substandard

Bridge Approach Rail: Substandard

Approach Rail Ends: Substandard

NH Bridge Type: Jack Arch

Deck Type: Concrete, Cast in Place

Wearing Surface: Bituminous

Membrane: None

Deck Protection: None

Pavement thickness: 3.0 in

Curb Reveal: Not Applicable

Plan Location: Unknown

Bridge Dimensions:

Length Maximum Span: 18.0 ft

Left Curb/Sidewalk Width: 5.0 ft

Width Curb to Curb: 26.1 ft

Approach Roadway Width (W/ Shoulders): 22.0 ft

Total Bridge Length: 20.0 ft

Right Curb/Sidewalk Width: 5.0 ft

Total Bridge Width: 36.7 ft

Median: No median

Bridge Skew: 15.00 °

Bridge Service:

Type of Service on Bridge: Highway and Pedestrian

Type of Service under: Waterway

Lanes on bridge: 2

Lanes Under: NA

AADT: 3500

Percent Trucks: 4%

Year of AADT: 2003

Future AADT: 5624

Year of Future AADT: 2025

Year Built: 1935

Year Rebuilt: Not Rebuilt

Detour Length: 1.0 mi

Bridge Inspection Report

Derry 066/092

Federal or State Definition Bridge: NH Definition Bridge
 Roadway Functional Class: Urban Local
 New Hampshire Highway System and Class: Compact Highway
 Eligibility for the National Register of Historic Places: Not Eligible
 Traffic Direction: Two-way traffic

National Bridge Inventory (NBI) Appraisal Ratings:

Deck Geometry: Intolerable, Correctable
 Underclearances: Not Applicable (NBI)
 Approach Alignment: Equal Desirable Criteria
 Structural Evaluation: Above Min. Tolerable
 Channel/Channel Protection: Minor Damage
 Waterway Adequacy: Equal Desirable Criteria
 Bridge Scour Critical Status: Stable for extreme flood
 Riprap Condition: Fair Condition
 Debris Present: Debris Present
 Date of Underwater Inspection: Not Applicable

AASHTO CoRe Element Condition State Data:

No.	Description	Env.	Material Notes and Condition Notes
13	Concrete Deck - Unprotected, with Asphalt Pavement	Moderate	** Jack Arch ** STEEL FORMS IN PLACE. CONCRETE NOT VISIBLE. FORMS HEAVILY RUSTED.
107	Painted Steel Beam or Girder (Open Web)	Moderate	MODERATE RUST AND SCALE ON CHANNELS. HEAVY RUST AND PITTING ON CENTER BEAM WITH BOTTOM FLANGE RUSTED TO KNIFE EDGE. PAINT POOR. BRACING STRAP RUSTED OFF AT UPSTREAM.
215	Reinforced Concrete Abutment	Moderate	LARGE VERTICAL CRACK, LIGHT SPALLS.
334	Coated Metal Bridge Railing	Moderate	RUST AT BASE.
359	Soffit of Conc Deck or Slab Condition Warning Flag	Moderate	STEEL FORMS RUSTED, HOLED.

No.	Description	Env.	Quantity	Units	State 1	State 2	State 3	State 4	State 5
13	Concrete Deck - Unprotected, with Asphalt	Moderate	732	(SF)	0 %	100 %	0 %	0 %	0 %
107	Painted Steel Beam or Girder (Open Web)	Moderate	299	(LF)	0 %	0 %	54 %	46 %	0 %
215	Reinforced Concrete Abutment	Moderate	98	(LF)	0 %	98 %	2 %	0 %	
334	Coated Metal Bridge Railing	Moderate	39	(LF)	99 %	1 %	0 %	0 %	0 %
359	Soffit of Conc Deck or Slab Condition Warning	Moderate	1	(EA)	0 %	100 %	0 %	0 %	0 %

Bridge Inspection Report

Derry 066/092

Bridge Notes:**Approach and Roadway Notes:** ASPHALT- OK.**Inspection History:**

Inspection Date: 10/02/2007 Notes: <i>RLM inspection comments - DECK: STEEL FORMS RUSTED, HOLED. SUPERSTRUCTURE: BEAMS HEAVILY RUSTED WITH SECTION LOSS. SOUTHWEST EXTERIOR HOLED. SUBSTRUCTURE: CRACKS, SPALLS.</i> <i>PIC(S): C359- 5,6,7.</i>	Inspector: RLM	Deck: 5 Fair Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Inspection Date: 08/18/2005 Notes: <i>DPC inspection comments - DECK: STEEL FORMS RUSTED, HOLED. SUPERSTRUCTURE: BEAMS HEAVILY RUSTED WITH SECTION LOSS. SOUTHWEST EXTERIOR HOLED. SUBSTRUCTURE: CRACKS, SPALLS.</i> <i>PIC(S): C190-08 THRU 12.</i> <i>PIC: C298-35</i>	Inspector: DPC	Deck: 5 Fair Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Inspection Date: 08/11/2003 Notes: <i>Sufficiency Rating Calculation Accepted by DEP at 7/20/2004 14:25:48 RLM inspection comments - DECK: STEEL FORMS RUSTED, HOLED. SUPERSTRUCTURE: BEAMS HEAVILY RUSTED WITH SECTION LOSS. SOUTHWEST EXTERIOR HOLED. SUBSTRUCTURE: CRACKS, SPALLS.</i> <i>PICTURES: C190-08 THRU 12.</i>	Inspector: RLM	Deck: 5 Fair Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Inspection Date: 01/29/2001 Notes: <i>Sufficiency Rating Calculation Accepted by DEP at 07-20-2001 15:59:31 RLM inspection comments - DECK: Concrete not visible. Steel forms heavily rusted with section loss. Few holes. Concrete curbs. Sidewalk- concrete at south has minor spalls. Paved at north. Drain pipes broken. Deck ends and joints leaking. SUPERSTRUCTURE: I-beams- heavily rusted with section loss. Southwest exterior holed. Steel bracing bars rusted and holed. SUBSTRUCTURE: Concrete abutments- large cracks, light spalls. Backwalls- stone loose with voids. Bridgeseat- concrete- medium cracks, light spalls. Wings- concrete- minor spalls. Footings- concrete toe wall- light cracks and spalls. Channel- light erosion and drift.</i>	Inspector: RLM	Deck: 5 Fair Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)

Bridge Inspection Report**Derry 066/092****Inspection History:**

Inspection Date: 01/20/1999	Inspector: DPC	Deck: 5 Fair Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes: <i>Sufficiency Rating Calculation Accepted by DEP at 03-09-1999 15:19:28</i> <i>DPC inspection comments-</i> <i>Deck- Concrete not visible. Steel forms heavily rusted with section loss. Few holes. Concrete curbs. Sidewalk- concrete at south with minor spalls. Paved at north. Drain pipes broken.</i> <i>Deck ends and joints leaking.</i> <i>Super: I-beams- heavily rusted with section loss. Bracing- steel bars- rusted.</i> <i>Sub: Concrete abutments- large cracks, light spalls. Backwalls- stone loose with voids.</i> <i>Bridgeseat- concrete- medium cracks, light spalls. Wings- concrete- minor spalls. Footings- concrete toe wall- light cracks and spalls. Channel- light erosion and drift.</i>		
Inspection Date: 02/01/1997	Inspector: Not Available	Deck: 6 Satisfactory Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes: <i>Sufficiency Rating Calculation Accepted by DEP at 12-23-98 07:59:03</i>		
Inspection Date: 08/01/1995	Inspector: Not Available	Deck: 6 Satisfactory Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes:		
Inspection Date: 01/01/1994	Inspector: Not Available	Deck: 6 Satisfactory Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes:		
Inspection Date: 08/01/1991	Inspector: Not Available	Deck: 6 Satisfactory Super: 5 Fair Substr: 6 Satisfactory Culvert: N N/A (NBI)
Notes:		

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